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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/771,070

02/02/2004

R. Cameron Marcus

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CENTRAL COAST PATENT AGENCY, INC  
3 HANGAR WAY SUITE D  
WATSONVILLE, CA 95076

EXAMINER

ZHOU, TING

ART UNIT

PAPER NUMBER

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/771,070	<b>Applicant(s)</b> MARCUS, R. CAMERON	
	<b>Examiner</b> TING ZHOU	<b>Art Unit</b> 2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 July 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 20,21,28,31,32 and 39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 20-21, 28, 31-32 and 39 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

Art Unit: 2173

### **DETAILED ACTION**

1. The amendment filed on 18 July 2008 have been received and entered; by this amendment, the applicant has cancelled claims 22-27, 29-30, 33-38 and 40-41. Claims 20-21, 28, 31-32 and 39 as amended are pending in the application.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 20-21 and 31-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ficco et al. U.S. Publication 2002/0035404 (hereinafter "Ficco") and Ramakrishnan et al. U.S. Patent 5,634,346 (hereinafter "Ramakrishnan").

Referring to claims 20 and 31, Ficco teaches a system and method comprising an interactive interface presented on a display of a computer appliance enabling a user to select through the interactive display individual ones of a set of mechanical functions of a microprocessor-controlled device (users can use the GUI provided on the display of the STB to control functions and commands of microprocessor controlled devices such as a TV, air conditioning system, etc.) (Ficco: page 2, paragraph 0019 and page 3, paragraphs 0037-0038 and 0043), and to select specific time-of-day (TOD) for functions selected (users can set the time when functions are to start) (Ficco: page 3, paragraph 0043); wherein the computer appliance

Art Unit: 2173

saves the TOD selected for each mechanical function selected, in a form compatible with and recognizable by the microprocessor-controlled device, to be transferred to the microprocessor-controlled device (information pertinent to a particular device may be stored in storage and transmitted to the device in a compatible format, i.e. in a script designated for the particular device) (Ficco: page 2 paragraph 0019, page 8, paragraph 0089 and page 11, paragraph 0124).

However, Ficco fail to explicitly teach selecting the starting or stopping times for the mechanical functions selected. Ramakrishnan teaches remote control of mechanical functions of a device (remotely controlling operations of an air conditioner) (Ramakrishnan: column 1, lines 45-49) similar to that of Ficco. In addition, Ramakrishnan further teaches selecting specific TOD for starting or stopping the mechanical functions selected (the user sets the start and end times for the air conditioner) (Ramakrishnan: column 1, lines 48-49 and column 5, lines 22-37), wherein the TOD selected for each mechanical function is saved (the controller saves. i.e. stores the start and stop times set) (Ramakrishnan: column 1, lines 54-57 and column 5, lines 41-47). It would have been obvious to one of ordinary skill in the art, having the teachings of Ficco and Ramakrishnan before him at the time the invention was made, to modify the control and configuration of controlled devices of the home network of Ficco, to include controlling the AC system via setting the start and stop times for the system, as taught by Ramakrishnan, in order to obtain a home network system that allows users to program the start and stop times for a function of a controlled device via an interface of a computer appliance, to be saved and transferred to the controlled device. One would have been motivated to make such a combination in order to provide users with the flexibility of controlling equipments in a home network from anywhere in

Art Unit: 2173

the world; such a combination further minimizes the need for repeated user involvement in controlling and operating equipments in a home network.

Referring to claims 21 and 32, Ficco, as modified, teach one of a thumb drive or a magnetic strip (magnetic storage devices) (Ficco: pages 4-5, paragraph 0055), wherein the output information is saved to the thumb drive or a magnetic strip to be transferred to the microprocessor-controlled device (information pertinent to a particular device may be stored in storage and transmitted to the device in a compatible format, i.e. in a script designated for the particular device; the storage include magnetic storage devices) (Ficco: page 2 paragraph 0019, pages 4-5, paragraph 0055, page 8, paragraph 0089 and page 11, paragraph 0124)

3. Claims 28 and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ficco et al. U.S. Publication 2002/0035404 (hereinafter "Ficco") and Ramakrishnan et al. U.S. Patent 5,634,346 (hereinafter "Ramakrishnan"), as applied to claims 20 and 31 above, and further in view of Addink et al. U.S. Publication 2002/0091452 (hereinafter "Addink").

Referring to claims 28 and 39, Ficco and Ramakrishnan teach all of the limitations as applied to claims 20 and 31 above. Specifically, Ficco and Ramakrishnan teach wherein the programmable device is a timing device for a sprinkler system (the controlled devices that can be commanded according to a timing parameter include a sprinkler system) (Ficco: page 3, paragraphs 0040 and 0043), and the mechanical functions are opening and closing of switches (switch to open or close the circuit for a fan) (Ramakrishnan: column 6, lines 46-51). However, Ficco and Ramakrishnan fail to explicitly teach that the switches are for opening and closing of water valves. Addink teaches the use of a master controller to control a plurality of other devices

Art Unit: 2173

(Addink: page 1, paragraph 0006) similar to that of Ficco and Ramakrishnan. In addition, Addink further teaches controlling a water valve in a sprinkler via opening and closing a switch (controlling the water irrigation valve for sprinkler heads allowing water to be distributed) (Addink: page 3, paragraph 0028). It would have been obvious to one of ordinary skill in the art, having the teachings of Ficco, Ramakrishnan and Addink before him at the time the invention was made, to modify the programmable timing device for the sprinkler system of Ficco and Ramakrishnan to include the opening and closing of switches for controlling water valves, as taught by Addink, in order to obtain predictable results. Controlling a sprinkler system via opening and closing a water valve is well known to one of ordinary skill in the art, therefore, substituting the mechanical functions of the sprinkler system of Ficco and Ramakrishnan with the mechanical functions of opening and closing the water valve of a sprinkler system of Addink would obtain the predictable results of controlling when the sprinkler is turned on and off via opening and closing of water valves for the sprinkler.

4. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action. The documents cited therein teach similar systems for centrally controlling a plurality of functions on a plurality of controlled devices.

***Response to Arguments***

Art Unit: 2173

5. Applicant's arguments with respect to claims 20 and 31, and their corresponding dependent claims have been considered but are moot in view of the new ground(s) of rejection. Specifically, the applicant argues that the functions taught by Dickie and Wurzburg are not the physical functions recited in the claims. These arguments are moot in view of the combination of Ficco and Ramakrishnan.

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TING ZHOU whose telephone number is (571)272-4058. The examiner can normally be reached on Monday - Friday 9:00am - 6:00pm.

Art Unit: 2173

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dennis Chow can be reached on (571) 272-7767. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TZ  
/Ting Zhou/  
Primary Examiner, Art Unit 2173